UTILITY PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Vishwas Hardikar Group Art Unit: Unknown

Serial No.: Unknown Examiner: Unknown

Filed: September 18, 2003 Attorney Docket No.: 004.0119

For: METHODS AND COMPOSITIONS FOR CHEMICAL MECHANICAL PLANARIZATION OF RUTHENIUM

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P O Box 1450 Alexandria, VA. 22313-1450

Commissioner:

In accordance with 37 C.F.R. 1.56 and in a manner prescribed by 37 C.F.R. 1.97 and 1.98, this Information Disclosure Statement IDS is being submitted herewith for consideration by the United States Patent and Trademark Office.

I. CONTENT

This IDS includes:

- A list of all patents, publications, applications, or other information submitted for consideration by the Office on PTO/SB/08A Form, which is included herewith;
- A legible copy of: (i) each U.S. patent application publication and U.S. and foreign patent (if required); and (ii) each publication or that portion which caused it to be listed.

II.	CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)							
	\boxtimes	Except as may be subsequently indicated in this section II, a concise explanation is not required as all of the patents, publications, applications or other information are in the English language.						
		A concise explanation of the relevance, as it is presently understood by the individual designated in 1.56(a) most knowledgeable about the content of the information, of all patents, publications, applications or other information listed that is not in the English language.						
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	Any patent, publication, pending U.S. application or other informatis listed on PTO/SB/08A Form, which are not enclosed herew previously cited by or submitted to the Office in one of the fapplications that has been relied on for an earlier effective fill under 35 U.S.C 120 and the IDS submitted in the earlier appropriate with paragraphs (a) through (c) of 1.98:							
		U.S. Application Serial No.	U.S. Filing Date					
III.	THIS	IDS IS BEING FILED UNDER 37 C.F.R.	1.97(b): (check one box)					
	\boxtimes	Within three months of the filing date of a continued prosecution application under						
		Within three months of the date of entry of the national stage as set forth in 1.491 in an international application.						
	Before the mailing date of a first Office Action on the merits. In the end that a first Office Action on the merits has been mailed, please consthis IDS under 37 C.F.R. 1.97(c) and see the statement under 1.97(c) charge deposit account 50-2091 the fee specified by 37 C.F.R. 1.17(such statement is not selected in Section VI.							
		Before the mailing of a first Office Action after the filing of a request for continued examination under 1.114.						

IV.	THIS	IDS IS BEING FILED UNDER 37 C.F.R. 1.97(c):					
		After the period specified in 27 C.F.R. 1.97(b) and before the mailing date of any of a final action under 1.113, a notice of allowance under 1.311 or an action that otherwise closes prosecution in the application, and accompanied by:					
		a statement specified in 1.97(e) as subsequently provided in this IDS; or					
		the fee set forth in 1.17(p).					
V.	THIS	IDS IS BEING FILED UNDER 37 C.F.R. 1.97(d):					
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VI.	Statement under 37 C.F.R. 1.97(e) (check only one box) The undersigned hereby states that:						
		Each item of information contained in the IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.					
		No item of information contained in the IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the IDS was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this IDS.					
VII.	PAYN	MENT OF FEES (check one box)					
		A check in the amount of \$ is enclosed for fees due with respect to this IDS.					
		Please charge Deposit Account No in the amount of \$ for the fees due with respect to this IDS. A duplicate copy of this paper is included with this IDS.					

VIII. <u>CONCLUSION</u>

It is respectfully submitted that the claims presently on file patently distinguish the present invention from each of these references cited in this IDS. The references cited in this IDS are being cited only in the interests of candor and without any admission that they constitute statutory prior art or contain matter which anticipates the invention or which would render the same obvious, either singly or in a combination, to a person of ordinary skill in the art. Furthermore the filing of this IDS should not be construed to be an admission that the information cited in this IDS is, or is considered to be, material to patentability as defined in 1.56(b). In addition, the filing of this IDS should not be construed as a representation that a search has been made.

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respectionly committee,
By: No. 35,940

Respectfully submitted

Ingrassia Fisher & Lorenz Customer Number 29906

Enclosures:	\boxtimes	PTO/SB/08A
	\boxtimes	References
		Foreign Search Report
		Fee
		Other:

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Subst	itute for form 1449A/F	TO		Application Number	Unknown	
				Filing Date	9/18/2003	
	ORMATION D			First Named Inventor	Vishwas Hardikar	
STA	TEMENT BY	APP	LICANT	Art Unit	Unknown	
(us	se as many sheets	as ned	cessary)	Examiner Name	Unknown	
Sheet	1	of	2	Attorney Docket Number	004.0119	

	U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.'	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
		US- 6,527,622 B1	03-04-2003	Brusic et al.				
		US 2003/0139116 A1	07-24-2003	Moeggenborg et al.				
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	FOREIGN PATENT DOCUMENTS									
Examiner Cite No.1		Foreign Patent Document Country Code ³ – Number ⁴ – Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear					
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				Complete if Known		
Subs	titute for form 1449A/PT	О		Application Number	Unknown	
				Filing Date	9/18/2003	
	ORMATION DI			First Named Inventor	Vishwas Hardikar	
	ATEMENT BY A			Art Unit	Unknown	
(L	ise as many sheets a	as nec	essary)	Examiner Name	Unknown	
Sheet	2	of	2	Attorney Docket Number	004.0119	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
		KEVIN MOEGGENBORG, ET AL., "Development of Planarization Process for Nontraditional Materials: Noble Metals CMP", CMP-MIC Conference, March 7-8, 2001, pgs 150-156.	
		OLIVER CHYAN, ET AL., "Ruthenium-based Copper Diffusion Barrier: Studied by Electrochemistry, SIMS Depth Profiling and Sheet Resistance Measurements", The Electrochemical Society, Inc. 2003. OLIVER CHYAN, ET AL., "Electrodeposition of Copper Thin Film on Ruthenium, A	
		OLIVER CHYAN, ET AL., "Electrodeposition of Copper Thin Film on Ruthenium, A Potential Diffusion Barrier for Cu Interconnects", Journal of The Electrochemical Society, Volume 150, Number 5 (2003).	
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Examiner	Date	
Signature	Considered	

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